



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090795

**Mode:** Highway

**Status:** Submitted

### US-70

**From/Cross Street:** Grantham Road

**Specific Improvement Type:** 2 - Upgrade Arterial to Freeway/Expressway

**To:** Havelock Bypass

**Project Category:** Statewide Mobility

**Length:** 8.07

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$181,300,000

#### Description:

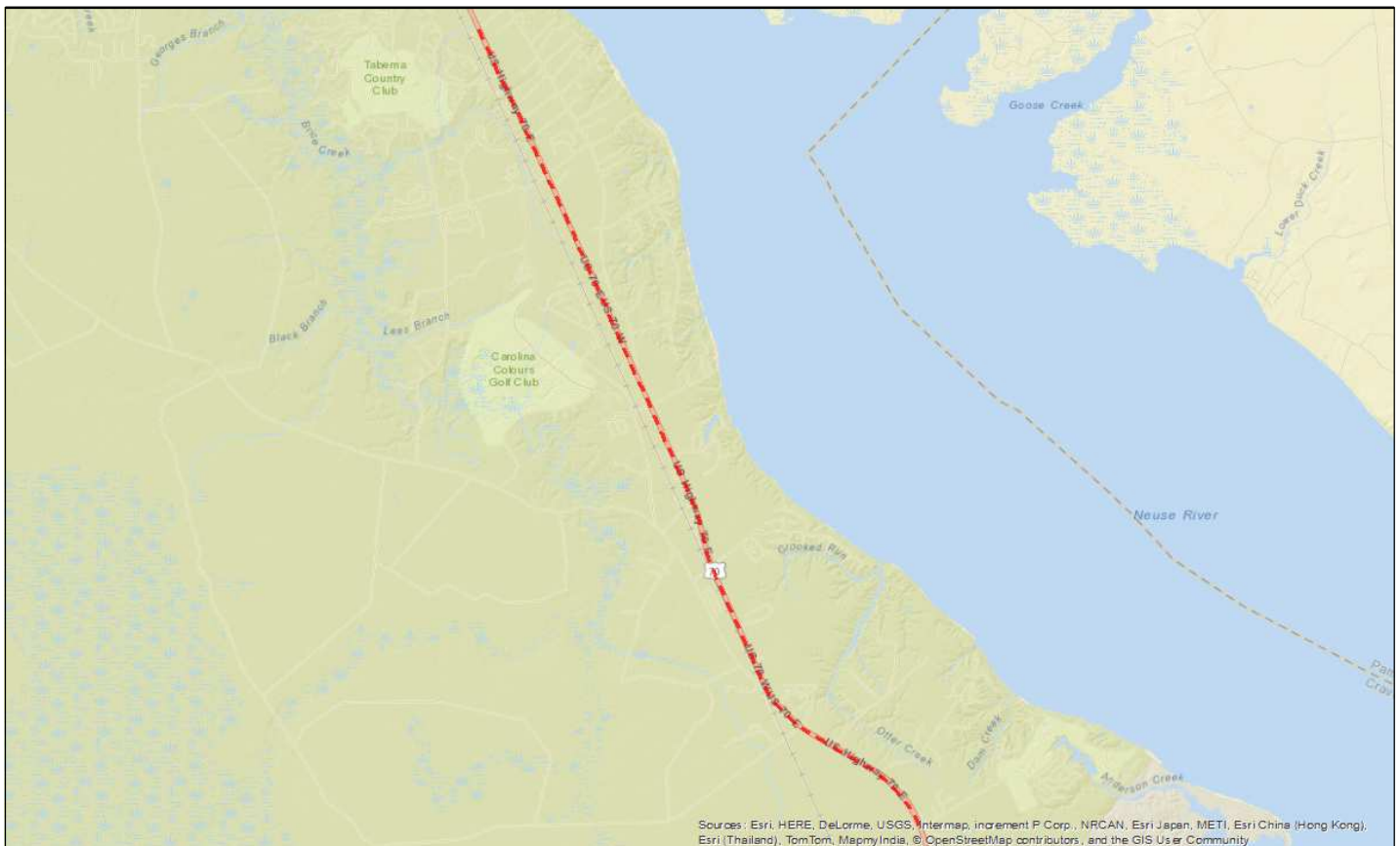
Upgrade Roadway to Freeway and Construct Service Roads

**Division(s):** Division 2

**County(s):** CRAVEN

**MPOS(s)/RPO(s):** New Bern MPO

### Project Location



**Statewide Mobility Total Score: 24.07**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 38.80 Safety (10%) 62.89 Economic Competitiveness (10%) 16.25 Multimodal + [Freight & Military] (20%) 21.41 [Travel Time] Benefit/Cost (30%) 0.78	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 24.07</b>		

**Regional Impact Total Score: 50.93**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 62.89 Multimodal + [Freight & Military] (25%) 21.41 [Travel Time] Benefit/Cost (20%) 0.78	Percent: 15% Points: 100	Percent: 15% Points: 98
<b>Totals: Weight: 70% Weighted Score: 21.23</b>		

**Division Needs Total Score: 69.98**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 38.80 Safety (20%) 62.89 Multimodal + [Freight & Military] (10%) 21.41	Percent: 25% Points: 100	Percent: 25% Points: 90
<b>Totals: Weight: 50% Weighted Score: 22.48</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	8.07
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	27902.22
Capacity:	60573.69
Volume/Capacity Ratio:	0.46
% Autos:	93%
% Trucks:	7%
Truck Volume:	1978.51
Crash Density:	70.96
Crash Severity:	65.3
Critical Crash Rate:	52.42
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	95
Actual Congested Speed:	48
Travel Time Index:	1.15

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	8.07
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	6238795.83
Travel Time Savings for 30 Years (Autos):	5796411.99
Travel Time Savings for 30 Years (Trucks):	442383.84
Long-Term Employment:	106
% Change in Economy:	0.00021904
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 2

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 2	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>100</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
New Bern MPO	100%	98	90
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>98</b>	<b>90</b>

**Project Cost and Source**

Construction Cost:	\$106,600,000	TIP Unit
Right-of-Way Cost:	\$74,700,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$181,300,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$181,300,000</b>	